Ministry of
Natural
Resources

Ontario

ONTARIO GEOLOGICAL SURVEY

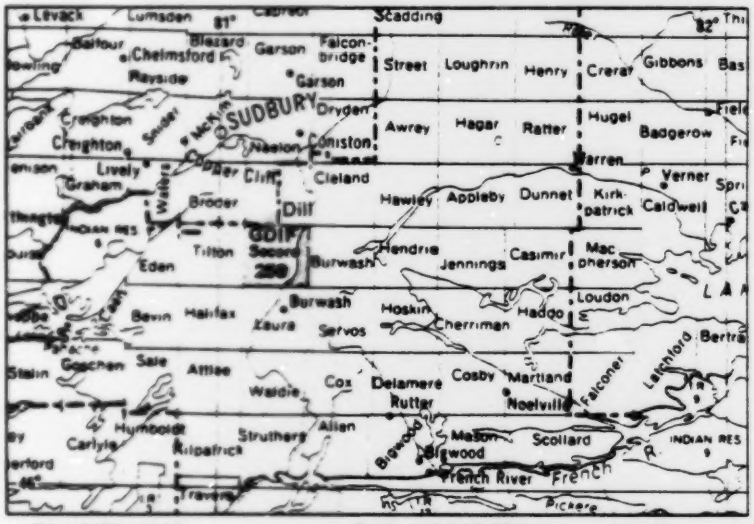
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 259

SECORD TOWNSHIP

DISTRICT OF SUDBURY

Compiled by the Staff of
the Resident Geologist's Office
Sudbury



LOCATION MAP

Scale 1:1 013 760 or 1 inch to 16 miles

86-1424

NTS Number 41 I/7

Mining Claim Map Number M 1097

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1985: Secord Township, District of Sudbury; Ontario Geological Survey, Geological Data Inventory Folio 259; Compiled by the Staff of the Resident Geologist's Office, Sudbury, 16p. and 2 maps.

Original Compilation by: MacNeil, Ronald James March 26, 1985

Date	Page Revised	Revised by

Date	Page Revised	Revised by

SECORD TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map 1 map
Exploration Data Map 1 map
Map Scale 1 inch to ½ mile or 1: 31 680

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	**25.4**	mm
1 cm	0.393 70	inches	1 inch	**2.54**	cm
1 m	3.280 84	feet	1 foot	**0.304 8**	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	**1.609 344**	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	**6.451 6**	cm^2
1 m^2	10.763 9	square feet	1 square foot	**0.092 903 04**	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	**16.387 064**	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	**4.546 090**	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	**31.103 476 8**	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	**0.453 592 37**	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	**907.184 74**	kg
1 t	1.102 311	tons (short)	1 ton (short)	**0.907 184 74**	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	**1016.046 908 8**	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	**1.016 046 908 8**	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this map. If no reference data was found, the appropriate box is marked 'no'; if reference was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	R.M.
2	Assessment Files Research Office, Toronto	N.A.	R.M.
3	ODM General Index; 9 volumes	Yes	R.M.
4	Catalogue of Airborne Geophysical Surveys (ODM)	No	R.M.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	No	R.M.
6	ODM Industrial Mineral Reports	Yes	R.M.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	R.M.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	R.M.
9	Newspaper Clippings File	Yes	R.M.
10	GSC Index to Publications	Yes	R.M.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	R.M.
12	OGS Index Maps	Yes	R.M.
13	Source Mineral Deposit Records (O.G.S.)	Yes	R.M.
14	Author - Subject Articles File	Yes	R.M.
15	Miscellaneous Papers: ODM & OGS	Yes	R.M.
16	ODM Geological Circulars: OGS Study Series	Yes	R.M.
17	ODM Preliminary Reports: ODM Bulletins	Yes	R.M.
18	ODM – OGS Open File Reports	Yes	R.M.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	R.M.
20	OGS Aggregate Resources Inventory Papers	N.A.	R.M.
21	OGS Mineral Potential Maps	Yes	R.M.
22	Theses on File, Sudbury	Yes	R.M.
23	Aerial Photographs on file, Sudbury	Yes	R.M.

METALS AND MINERALS REFERENCES LIST

- Δ anh. . . . . Anhydrite
- Δ ank. . . . . Ankerite
- Δ anna . . . . . Annabergite
- Δ ap. . . . . Apatite
- Δ arg . . . . . Argentite
- Δ As . . . . . Arsenic
- Δ asp . . . . . Arsenopyrite
- Δ asb . . . . . Asbestos
- Δ ba. . . . . Barite
- Δ be. . . . . Beryl
- Δ Bi. . . . . Bismuth
- Δ bn . . . . . Bornite
- Δ bran . . . . . Braunerite
- Δ bruc . . . . . Brucite
- Δ Cd . . . . . Cadmium
- Δ calc. . . . . Calcite
- Δ carb . . . . . Carbonate
- Δ cel . . . . . Celestite
- Δ cc. . . . . Chalcocite
- Δ cp. . . . . Chalcopyrite
- Δ ch. . . . . Chert
- Δ clay . . . . . Clay
- Δ Co . . . . . Cobalt
- Δ cob. . . . . Cobaltite
- Δ cb. . . . . Columbite
- Δ Cu . . . . . Copper
- Δ cor . . . . . Corundum
- Δ dol . . . . . Dolomite
- Δ ep. . . . . Epidote
- Δ ery . . . . . Erythrite
- Δ fel . . . . . Feldspar
- Δ fl . . . . . Fluorite (fluorspar)
- Δ fu. . . . . Fuchsite
- Δ gn. . . . . Galena
- Δ gt. . . . . Garnet
- Δ goe . . . . . Goethite
- Δ Au . . . . . Gold
- Δ gf. . . . . Graphite
- Δ gl . . . . . Gravel
- Δ gyp. . . . . Gypsum
- ▲ hem . . . . . Hematite
- Δ il . . . . . Ilmenite
- Δ Fe . . . . . Iron
- Δ IF. . . . . Iron Formation
- Δ jas . . . . . Jasper
- Δ kaol . . . . . Kaolinite (kaolin)
- Δ ky . . . . . Kyanite
- Δ Pb . . . . . Lead
- Δ lim . . . . . Limonite
- Δ Li. . . . . Lithium
- Δ mgst . . . . . Magnesite
- Δ mag . . . . . Magnetite
- Δ mc . . . . . Malachite
- Δ Mn . . . . . Manganese
- Δ mb . . . . . Marble
- Δ mar. . . . . Marcasite
- Δ ma . . . . . Marl
- Δ mi . . . . . Mica
- Δ ml . . . . . Millerite
- Δ mo . . . . . Molybdenite
- Δ Mo . . . . . Molybdenum
- Δ mon . . . . . Monazite
- Δ ne. . . . . Nephelite (nepheline)
- Δ nc. . . . . Niccolite
- Δ Ni. . . . . Nickel
- Δ Nb . . . . . Niobium
- Δ Pd . . . . . Palladium
- Δ peat . . . . . Peat
- Δ pent . . . . . Pentlandite
- Δ Pt. . . . . Platinum
- Δ py . . . . . Pyrite
- Δ pyl . . . . . Pyrochlore
- Δ pyrl . . . . . Pyrolusite
- Δ po . . . . . Pyrrhotite
- ▲ q . . . . . Quartz
- Δ qcv . . . . Quartz carbonate vein
- Δ ra. . . . . Radioactive minerals
- Δ RE . . . . . Rare Earths
- Δ sd. . . . . Sand
- Δ sgl . . . . . Sand and gravel
- Δ ss . . . . . Sandstone
- Δ scap . . . . . Scapolite
- Δ shee . . . . . Scheelite
- Δ serp . . . . . Serpentine
- Δ sh. . . . . Shale
- Δ sid . . . . . Siderite
- ▲ si . . . . . Silica
- Δ Ag . . . . . Silver
- Δ sl . . . . . Slate
- Δ sm . . . . . Smaltite
- Δ sod . . . . . Sodalite
- Δ spec . . . . . Specularite
- Δ sp. . . . . Sphalerite
- Δ spd . . . . . Spodumene
- Δ staur . . . . . Staurolite
- Δ stib. . . . . Stibnite
- Δ st . . . . . Stone
- Δ talc. . . . . Talc
- Δ Te . . . . . Tellurium
- Δ td. . . . . Tetrahedrite
- Δ th. . . . . Thorite
- Δ Th . . . . . Thorium
- Δ thuc . . . . . Thucholite
- Δ ti . . . . . Titanite
- Δ Ti. . . . . Titanium
- Δ tour . . . . . Tourmaline
- Δ trap . . . . . Trap rock
- Δ W. . . . . Tungsten
- Δ uran . . . . . Uraninite
- Δ U . . . . . Uranium
- Δ verm . . . . . Vermiculite
- Δ Y . . . . . Yttrium
- Δ Zn . . . . . Zinc
- Δ zr. . . . . Zircon
- ▲ si . . . . . Sericite

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

SECORD TOWNSHIP

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Burns, Isaac (Lot 7, Con.4)	si,hem,ser		IMR9, p.14-15	
B	McKinnon, D. L.	si,hem,ser			File 0010-A1
C	Primary Gold Mines Limited	si			File 0010-B1
D	Warren Industrial Feldspar Company Limited (Ethier Sand & Gravel Limited)	si			O.G.S. MP117, p.192, 195, Fig.1

GDIF FORM NO. 1

SECORD TOWNSHIP

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY	QUARRYING		
1	Burns, Isaac					63														
2	McKinnon, D. L.				63															
3	Primary Gold Mines Limited				62, 64															
4	Warren Industrial Feldspar Company Limited (Ethier Sand & Gravel Ltd.)																	83		

GDIF FORM NO. 2

SECORD TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
1	McKinnon, D. L.	1	63	-	90	-	103	q	-
1a	" "	2	63	-	90	-	108	q	-
2	Primary Gold Mines Limited	6	64	N60W	45	-	196	q	-
3	"	3	62	-	-	-	127	q	-
3a	"	5	64	M55W	45	-	143	q	-
4	"	4	64	-	-	-	104	q	-

GDIF FORM NO. 3

6 SECORD TOWNSHIP

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing

GDIF FORM NO. 4

SECORD TOWNSHIP

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office. SUDBURY

Primary Gold Mines

Northern Miner May 28, 1964

NOTES AND ADDENDA

Sudbury File

Aerial Photographs Index

Scale 1"=¼ mile

Year	Roll	Line	Numbers
1946	19	161	14-19
	17	162	60-67
	15	163	15-22
	15	164	59-66
	14	165	34-40

ODM GENERAL INDEX SEARCH

Words searched: BURNT LAKE
GRENVILLE
QUARTZ
SAND & GRAVEL
SECORD
SERICITE

Index Volume	Listing:	Report Volume	Part	Page
8	BURNT LAKE Secord Tp., Sudbury Dist.	GR116		101
8	GRENVILLE FRONT BOUNDARY FAULT Burwash area, Sudbury Dist.	GR116		
6	GRENVILLE OROGENY Sudbury area	65	3	27,45
7	GRENVILLE SERIES Quarries listed Quartzite, SE. Ontario	IMR13 IMR2 IMR9		12 11-12 14-15
2	GRENVILLE SERIES Sudbury nickel area, description	N.R.		106
7	QUARTZ MONZONITE Burwash area, Nipissing, Parry Sound & Sudbury Dist.	GR116		60,80 82-83
8	SAND & GRAVEL Burwash area, Nipissing, Parry Sound & Sudbury Dist.	GR116		143-144
8	SECORD TP., Sudbury Dist. Geology of the Burwash area	GR116		
9	SERICITE Crooked L. area, Sudbury Dist. (Not Secord Tp.)	GR172		6

GDIF FORM NO. 9

SECORD TOWNSHIP

ODM GENERAL INDEX SEARCH

Words searched:

Index Volume	Listing:	Report Volume	Part	Page

GDIF FORM NO. 9

SECORD TOWNSHIP

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K. D., Lumbers, S. B.	1975	Sudbury-Cobalt Sheet (Revised)	O.G.S. Map 2361	1"=4 miles
Lumbers, S. B.	1970	Burwash Area (West Half)	O.D.M. Map P.680	1"=1 mile
	1974	Burwash-Nipissing, Parry Sound and Sudbury District	O.D.M. Map 2271	1"=2 miles
	1967	Burwash Sheet	O.D.M. Map P.415	1"=2 miles
		GEOPHYSICAL MAPS		
Dept. of Energy, Mines and Resources	1976	Uranium Reconnaissance Program Airborne Gamma Ray Spectrometer Survey	O.G.S. Map P.1610	1:250,000
G.S.C. Department of Mines and Technical Surveys	1965	Sudbury, Ontario Aeromagnetic Map Coniston, Ontario Aeromagnetic Map	Map 7067G Map 1510G	1"=4 miles 1"-1 mile
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Gartner, J. F.	1978	N.O.E.G.T. Study No.100 Sudbury Area Data Base Map	O.G.S. Map 5003	1:100,000
G.S.C. Department of Mines and Technical Surveys	1965	Coniston (Topographic)		1:50,000

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		MINERAL POTENTIAL		
Springer, J.	1978	Ontario Mineral Potential, Southern Parts of Sudbury Sheet, Districts of Algoma, Nipissing, Sudbury, Parry Sound and Manitoulin, Ontario	O.G.S. Map P.1511	1:250,000
		GEOLOGICAL REPORTS AND MAPS		
Card, K. D.	1975	The Panache Lake Area, Districts of Sudbury and Manitoulin	OFR5123	p.22-25 p.224-234 p.247-251 p.289-290
Henderson, J. R.	1967	Structural and Petrographic Relations Across The Grenville Province, Southern Province Boundary Sudbury, Ontario	O.D.M. GR116	p.150
Hewitt, D. F.	1963	Silica in Ontario	IMC9	p.14
Lumbers, S. B.	1975	Geology of the Bureash Area, Districts of Nipissing, Parry Sound, and Sudbury	O.D.M. GR116 Map 2271	1"=2 miles
M.N.R.	1984	Report of Activities 1983. Regional and Resident Geologists	O.G.S. MP117	p.192-195
Roscoe, S. M.	1969	Huronian Rocks and Uraniferous Conglomerates in the Canadian Shield	G.S.C. 68-40	p.107-109
		JOURNAL ARTICLES, THESES, TECHNICAL REPORTS		
Brocum, S. J., Dalziel, I. W. D.	1974	The Sudbury Basin, The Southern Province, The Grenville Front, and the Penokean Orogeny	Geol. Soc. Am. Bull.85(4)	P.1571-1580

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Dalziel, I. W., Brown, J. M., Warren, T. E.	1969	The Structural and Metamorphic History of the Rocks Adjacent to the Grenville Front near Sudbury, Ontario, and Mt. Wright, Quebec	G.A.C. Special Paper	p.207-224
Krogh, T. E., Davis, G. L.	?	Geochronology of the Grenville Province, Geochronology and Geochemistry	Sudbury File 3-4	p.207-224
Latour, T. E.	1981	Metamorphism and Geothermometry Near Coniston: a Clue to the Tectonic Evolution of the Grenville Front	Can. J. Earth Sci.,18	p.884-898

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages

GDIF FORM NO. 9

Ministry of Natural Resources

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 259

(Map **1** of **2**)

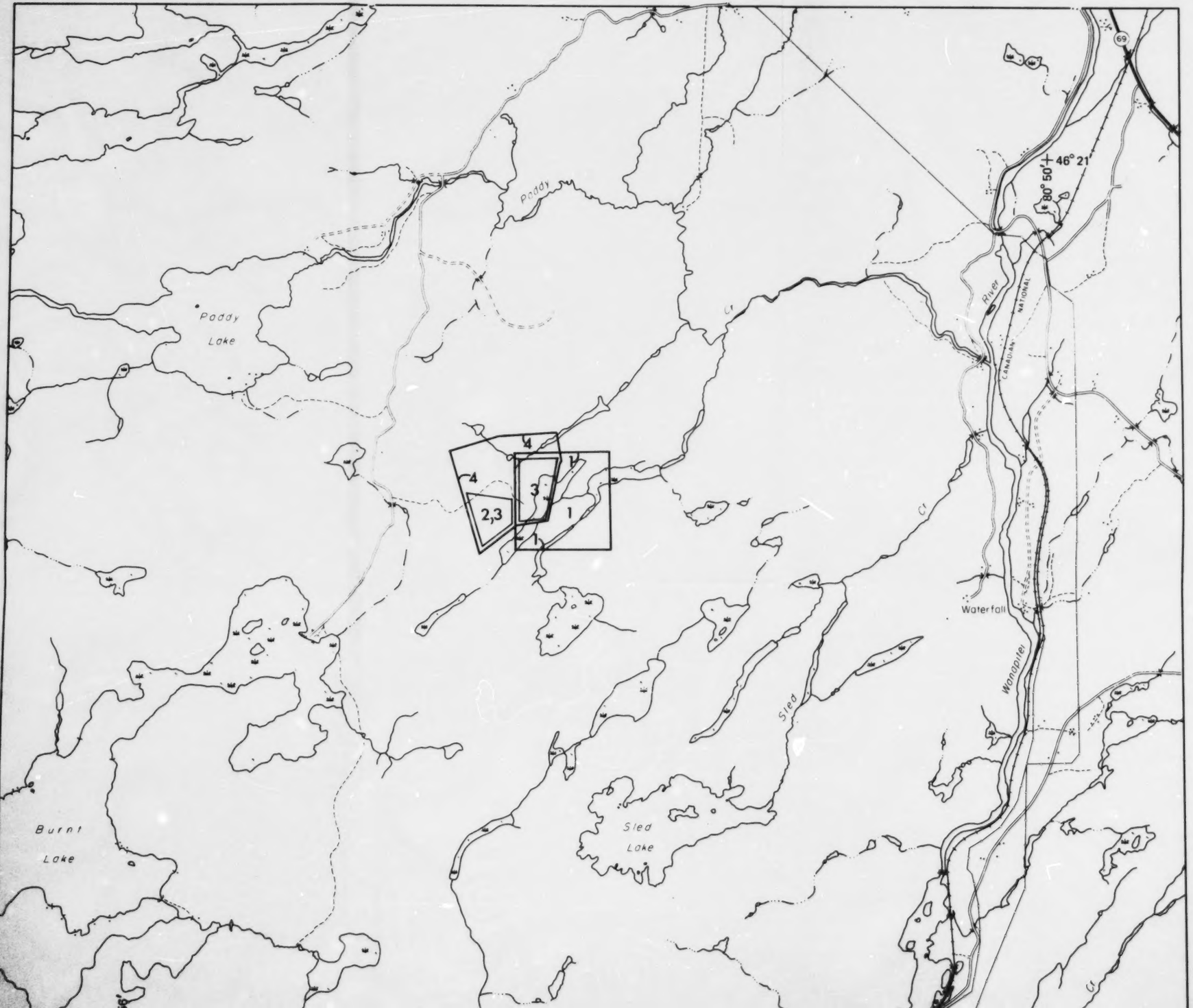
SECORD TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre



PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 259

(Map 1 of 2)

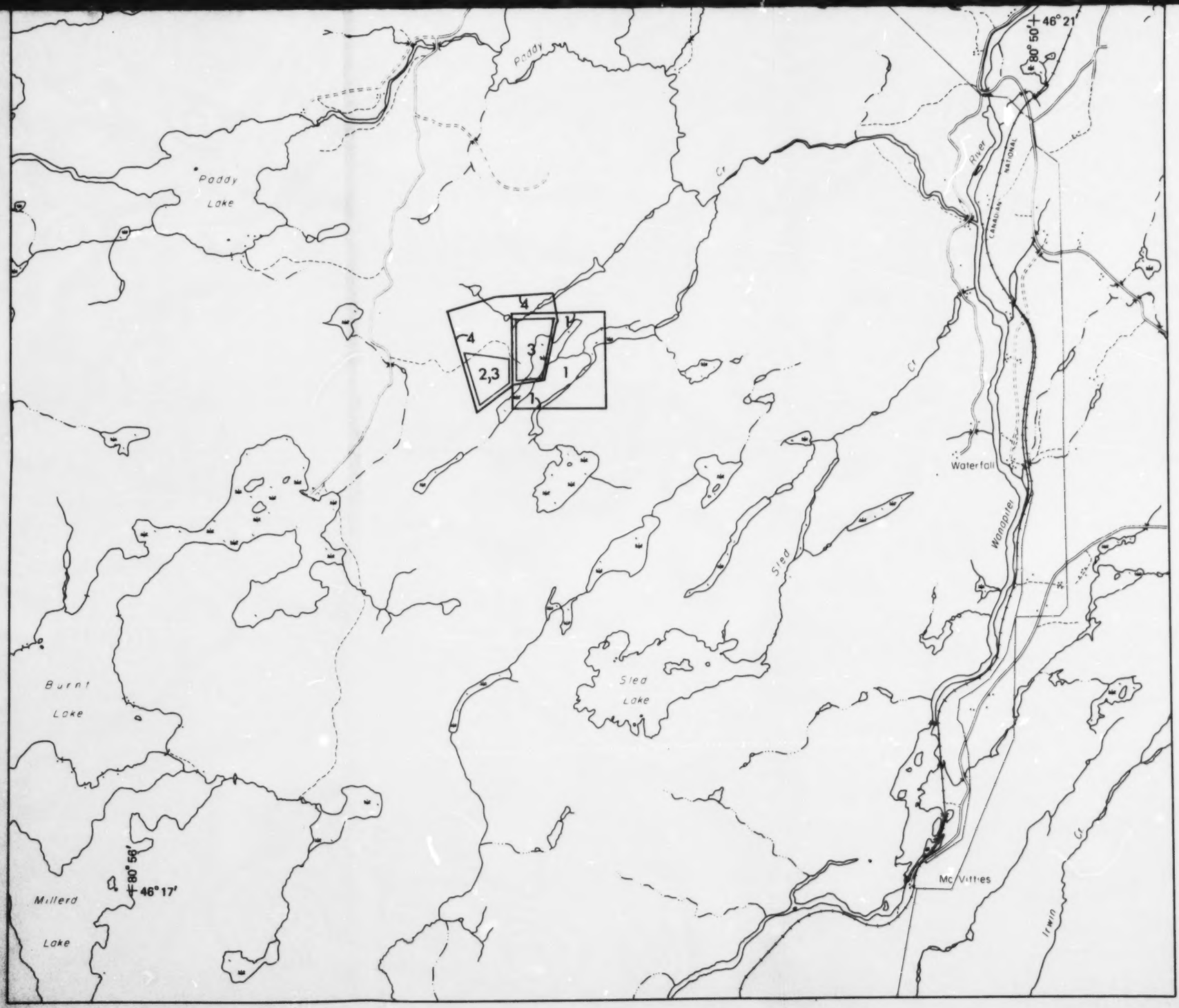
SECORD TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre



EXPLORATION DATA FILE AREAS

Reference number is always inside work area outlined. See listing in text pages.

Small area of exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

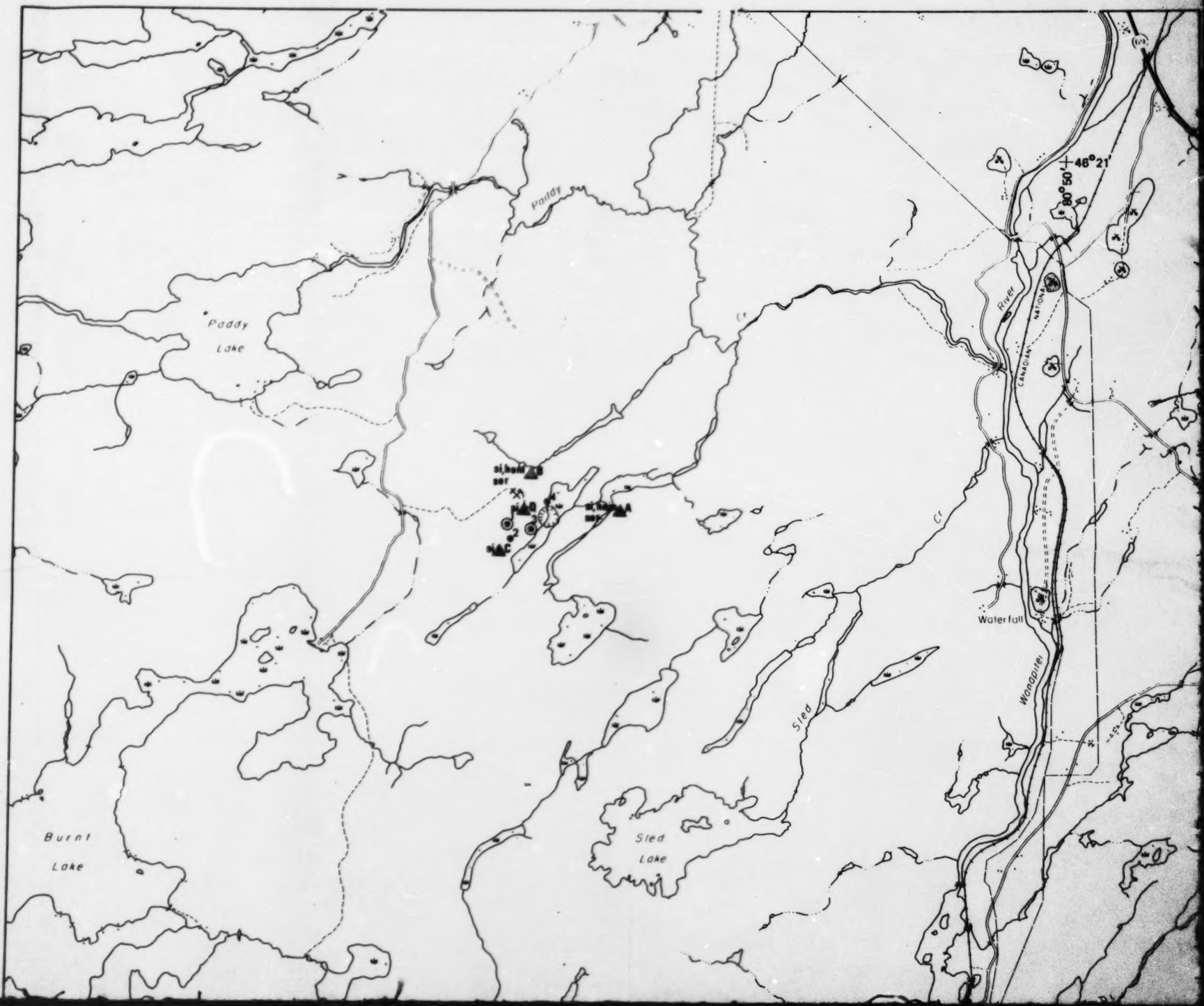
- Geochemical sample site, with reference number
- Area of geochemical sampling, with reference number
- Age dating material sampling site, with reference number
- GC — Geochemical Anomaly

GEOPHYSICAL ANOMALIES

- AM — Airborne Magnetometer Anomaly
- Airborne Electromagnetometer Anomaly
  Length of anomaly along flight line
- Airborne Electromagnetometer Anomaly.
  Location of anomaly along flight line
- Airborne Electromagnetometer Anomaly
  Conductor Axis: definite, probable, possible
- ARA — Airborne Radiometric Anomaly
- M — Ground Magnetometer Anomaly
- VL — Ground Electromagnetometer Anomaly
  (VL - Vertical Loop; HL - Horizontal Loop;
  VLF - Very low freq; Turam; JEM -
  Crone EM - 16)
- RA — Ground Radiometric Anomaly
- IP — Induced Polarization Anomaly
- SP — Self Potential Anomaly
- AFMAG — Audio-frequency magnetometer anomaly
  (total intensity)
- R — Resistivity Anomaly
- GR — Gravity Anomaly
- Radiometric Site

MISCELLANEOUS DATA

- Trenching, pit
- Adit
- Rock quarry
- Sand and/or gravel pit



GDIF 259

Ministry of Natural Resources
Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 259

(Map 2 of 2)

SECORD TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized Float with reference letter

DRILL HOLES

- Location of single drill hole, with reference number
- Location of closely spaced group of drill holes, with reference number

Geochemical sample site, with reference number

Area of geochemical sampling, with reference number

Age dating material sampling site, with reference number

GC — Geochemical Anomaly

GEOPHYSICAL ANOMALIES

AM — Airborne Magnetometer Anomaly

Airborne Electromagnetometer Anomaly
Length of anomaly along flight line

Airborne Electromagnetometer Anomaly.
Location of anomaly along flight line

Airborne Electromagnetometer Anomaly
Conductor Axis: definite, probable, possible

ARA — Airborne Radiometric Anomaly

M — Ground Magnetometer Anomaly

VL — Ground Electromagnetometer Anomaly
(VL - Vertical Loop; HL - Horizontal Loop;
VLF - Very low freq; Turam; JEM -
Crone EM - 16)

RA — Ground Radiometric Anomaly

IP — Induced Polarization Anomaly

SP — Self Potential Anomaly

AFMAG — Audio-frequency magnetometer anomaly
(total intensity)

R — Resistivity Anomaly

GR — Gravity Anomaly

Radiometric Site

MISCELLANEOUS DATA

Trenching, pit

Adit

Open pit

Multiple Pits

Rock quarry

Sand and/or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 259

(Map 2 of 2)

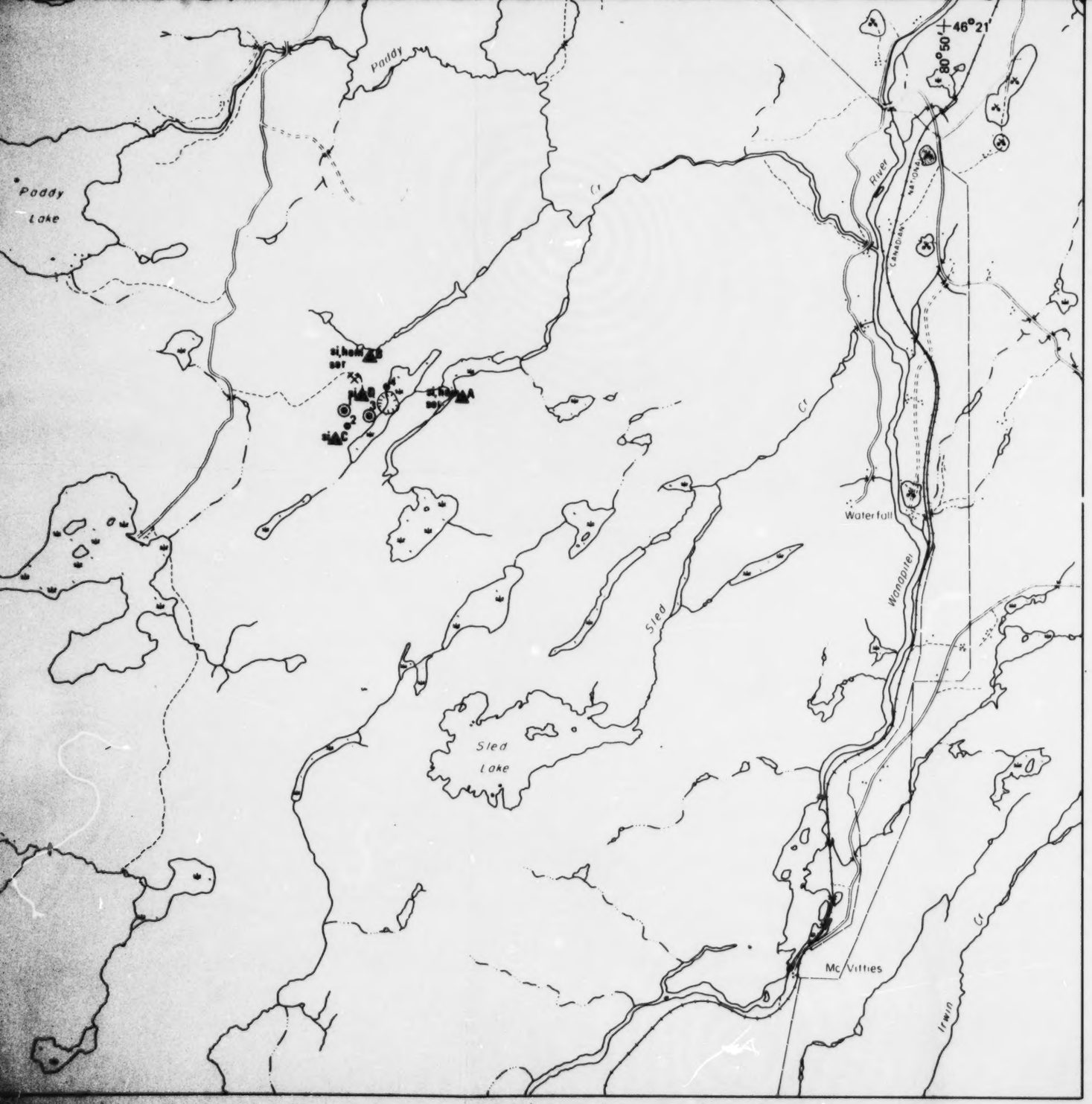
SECORD TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Mile 0.5 0 0.5 1 Mile

Kilometre 0.5 0 0.5 1 Kilometre



GEOLOGICAL AND MINING SYMBOLS

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- Mineral occurrence at surface, with reference letter
- Mineral occurrence with shaft, depth given with reference letter
- Mineral occurrence reported but exact location uncertain, with reference letter
- Mineralized Float with reference letter

DRILL HOLES

- Location of single drill hole, with reference number
- Location of closely spaced group of drill holes, with reference number
- Drill hole, exact location uncertain, with reference number.
- Property with underground drill holes in this general area, with reference number
- Property with drill holes which have not been plotted on map, with reference number
- Reverse Circulation Drill Hole; Churn drilling, with reference number